

Floris™

Optimize your soil and plants with
multifunctional bio-geo-chemical catalyst.

Supercharge Your Soil's Engine.

Modern agriculture has seen an increasing use of chemical fertilizers, pesticides and herbicides. Over time, these inputs can damage the soil's native bacteria, organic and mineral matters, and change the natural pH – resulting in total soil degradation. Chemical fertilizers also leach into ground water, streams, and lakes, resulting in major problems like eutrophication.

Floris™ is a liquid catalytic extract that supercharges your soil's bio-geo-chemical engine, overcoming many common soil problems. Floris™ is not a substitute for traditional nutrients – it works with common fertilizers or by itself to build and strengthen the natural bio-cycle within the soil.

The Superior Product:

- **Pure:** Won't clog nozzles
- **Active:** Designed for optimum bio, geo and chemical activity
- **Flexible:** Effective with most liquid fertilizers, herbicides and pesticides
- **Effective:** Across all soil and plant types
- **Comprehensive:** Positively affects all soil constituents, bio-geo-chemical processes and crops, resulting in higher yield and produce quality (protein, carbohydrates, vitamin contents, etc.)



Active Humic Technology at work.



Floris™

Floris™ is a liquid Active Humic Compound with a wide range of applications in agriculture.

Examples of Floris™ applications:

- Damaged, polluted and under yielding soils
- Compacted soil
- Low biological activity
- To enhance micronutrient uptake

Floris™ has many benefits, depending on the application, including:

SOIL

- Increased fertilizer utilization
- Converts clay and sandy soil to aggregated soil type
- Increased soil water holding capacity
- Increased bio-activity from native microbes and suppressed pathogens
- Increased decomposition of agrochemical pollutants
- Reduced soil compaction

PLANTS

- Higher potential crop yields
- Improved crop health
- Increased sugar, starch, oil and protein
- Increased stability under drought conditions
- Reduced nitrates, pesticides and heavy metals in edible produce

Properties

- **Physical state:** Liquid
- **Color:** Dark brown, black
- **Odor:** Low, light earthy
- **Specific Gravity:** 1.01 - 1.03
- **Freeze Point:** 0°C (32°F)
- **Boiling Point:** 100°C (212°F)
- **Compatibility:** Can be tank-mixed with most liquid fertilizers, pesticides and herbicides. Mix testing recommended before application of product.

Contents

- Activated Humic acid: 5.2 - 5.8%
- Fulvic acid: 0.5 - 0.8%
- Aqua (water): 93.4 - 94.3%

Stability Data

Key Material Characteristics	Material: Floris™		
	Time (Months)		
	0	6	12
Material Status	Black-Brown Homogeneous Liquid	Black-Brown Homogeneous Liquid	Black-Brown Homogeneous Liquid
pH	9-10.5	9-10.5	9-10.5
Solid Matter Content	6% (+/-0.6%)	6% (+/-0.6%)	6% (+/-0.6%)
Freezing Temp.	32°F (0°C)	32°F (0°C)	32°F (0°C)
High-End Breakdown Temp.	222°F (95°C)	222°F (95°C)	222°F (95°C)
Product Shelf Life: 3 Years			

Application

- **Applications:** Soil, foliar, on seed, with liquid fertilizers, herbicides and pesticides
- **Application Rates:**
Soil: 0.5 – 1.0 gallons mixed with 60 gallons of water/acre
Foliar: 5 – 8 ounces mixed with 40 gallons of water/acre
Seeds: 1.1 gallons mixed with 1.55 gallons of water/1 metric ton of seeds

To learn more about this product, please contact us:



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Listed by the Organic Materials Review Institute (OMRI) for use in organic production.